## What is claimed is:

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- 1. An external storage device connectable to a host computer, comprising:
- 3 a non-volatile semiconductor memory;
- a part for connecting to the host computer; and
- a part \for controlling the non-volatile semiconductor
- 6 memory,
- 7 the non-valatile semiconductor memory including plural
- 8 areas to be read, written or erased by the host computer through
- 9 plural different commands.
- 1 2. An external storage device according to claim 1, further
- 2 comprising information\indicative of the plural areas of the
- 3 non-volatile semiconductor memory,
- 4 the external storage device dynamically changing the
- 5 plural areas of the non-volatile semiconductor memory on the
- 6 basis of an instruction of the host computer by a part which
- 7 rewrites the information indicative of the plural areas of the
- 8 non-volatile semiconductor memory.
- 1 3. An external storage device connectable to a host computer,
- 2 comprising:
- 3 a non-volatile semiconductor memory;
- a part for connecting to the host computer; and



- a part for controlling the non-volatile semiconductor memory,
- 7 the non-volatile semiconductor memory including plural
- 8 areas in which a data area is made of a protected data area and
- 9 a non-protected data area,
- when the host computer is to access the protected data
- 11 area, the external storage device performing authentication
- 12 through an authentication procedure for accessing to the
- 13 protected data area.
  - 1 4. An external storage device connectable to a host computer,
  - 2 comprising:
  - 3 a non-volatile semiponductor memory;
  - a part for connecting to the host computer; and
- a part for controlling the non-volatile semiconductor
- 6 memory,
- 7 the non-volatile semidonductor memory including an area
- 8 which stores data of the host computer and an area which stores
- 9 information on the external storage device,
- the area of the non-volatile semiconductor memory which
- 11 stores the data of the host computer being made of a protected
- 12 data area and a non-protected data area,
- the area of the non-volatile semiconductor memory which
- 14 stores the information on the external storage device stores
- 15 location information on the protected data area,
- the external storage device dynamically changing the

- 17 protected data area of the non-volatile semiconductor memory
- 18 on the basis of an instruction of the host computer by a part
- 19 which rewrites the location information on the protected data
- 20 area of the non-volatile semiconductor memory,
- when the host computer is to access the protected data
- 22 area, the external storage device performing authentication
- 23 through an authentication procedure for accessing to the
- 24 protected data area.
- 1 5. An external storage device connectable to a host computer,
- 2 comprising:
- 3 a non-volatile semiconductor memory;
- a connecting part for connecting to the host computer:
- 5 and
- a controlling part for controlling the non-volatile
- 7 semiconductor memory,
- 8 the non-volatile semiconductor memory being divided into
- 9 plural areas,
- a part, which is provided in the connecting part and
- 11 recognizes the kind of host computer during activation,
- 12 performing access control on the plural areas of the non-
- 13 volatile semiconductor memory according to the kind of host
- 14 computer.

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